## IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

## **LISTING OF CLAIMS:**

- 1. (Currently Amended) A method for forming a micro pattern, comprising the steps of:
- (a) providing a semiconductor substrate in which a lower film formed using TiN, Si<sub>3</sub>N<sub>47</sub> organic anti-reflection coating of amorphous carbon series or an inorganic anti-reflection coating;
  - (b) coating a first photoresist film on the lower film;
- (c) depositing a second photoresist film having a higher glass transition temperature than the first photoresist film on the first photoresist film;
- (d) pattering the second photoresist film and the first photoresist film by an exposure process and a wet development process so that first and second photoresist film pattern having a first contact hole are formed;
- (e) implementing RFP to cause the first and second photoresist film pattern to flow so that the first contact hole changes to a second contact hole having a critical dimension lower than a critical dimension of the first contact hole; and
- (f) implementing an etch process using the second photoresist film pattern as an etch mask for the lower film to pattern the lower film.

## 2. (Canceled)

3. (Original) The method as claimed in claim 1, wherein the difference in a glass transition temperature between the first photoresist film and the second photoresist film is 1 ~ 10 °C.

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- 4. (Original) The method as claimed in claim 1, wherein the first photoresist film and the second photoresist film have the same physical properties other than the glass transition temperature.
- 5. (Original) The method as claimed in claim 1, wherein the first photoresist film is coated in thickness of  $0.1\mu\text{m}$
- 6. (Original) The method as claimed in claim 1, wherein the second photoresist film is coated in thickness of  $0.5\mu$ m
- 7. (Original) The method as claimed in claim 1, wherein the exposure process employs I-line, KrF, ArF, EUV, E-beam or X-ray as a photoresist.
- 8. (Original) The method as claimed in claim 1, wherein during the RFP, a heating time is  $50 \sim 200$  seconds.
- 9. (Original) The method as claimed in claim 1, wherein the RFP is implemented at a temperature of 132°C for 90 seconds.
- 10. (Original) The method as claimed in claim 1, wherein the critical dimension of the first photoresist film pattern is 0.20µm
- 11. (Original) The method as claimed in claim 1, wherein the critical dimension of the second photoresist film pattern is 0.13 $\mu$ m